



A073us

SEQUENCE LISTING

<110> Biogen, Inc.
Gotwals, Philip
Koteliansky, Victor

<120> Method for the Treatment of Fibrosis

<130> A073US

<140> 09/557,092
<141> 2000-04-21

<150> 60/137,214
<151> 1999-06-01

<150> 60/130,847
<151> 1999-04-22

<160> 10

<170> FastSEQ for Windows Version 4.0

<210> 1
<211> 26
<212> DNA
<213> Homo sapien

<400> 1
caggatccgt cagccccaca tttcaa
26

<210> 2
<211> 26
<212> DNA
<213> Homo sapien

<400> 2
tcctcgaggg cttgcagggc aaatat
26

<210> 3
<211> 26
<212> DNA
<213> Rat

<400> 3
caggatccgt cagtcctaca tttcaa
26

<210> 4
 <211> 26
 <212> DNA
 <213> Rat

<400> 4
 tcctcgagcg cttccaaagc gaatat
 26

<210> 5
 <211> 214
 <212> PRT
 <213> Rat

<400> 5
 Val Ser Pro Thr Phe Gln Val Val Asn Ser Phe Ala Pro Val Gln Glu
 1 5 10 15
 Cys Ser Thr Gln Leu Asp Ile Val Ile Val Leu Asp Gly Ser Asn Ser
 20 25 30
 Ile Tyr Pro Trp Glu Ser Val Ile Ala Phe Leu Asn Asp Leu Leu Lys
 35 40 45
 Arg Met Asp Ile Gly Pro Lys Gln Thr Gln Val Gly Ile Val Gln Tyr
 50 55 60
 Gly Glu Asn Val Thr His Glu Phe Asn Leu Asn Lys Tyr Ser Ser Thr
 65 70 75 80
 Glu Glu Val Leu Val Ala Ala Lys Lys Ile Gly Arg Gln Gly Gly Leu
 85 90 95
 Gln Thr Met Thr Ala Leu Gly Ile Asp Thr Ala Arg Lys Glu Ala Phe
 100 105 110
 Thr Glu Ala Arg Gly Ala Arg Arg Gly Val Lys Lys Val Met Val Ile
 115 120 125
 Val Thr Asp Gly Glu Ser His Asp Asn Tyr Arg Leu Lys Gln Val Ile
 130 135 140
 Gln Asp Cys Glu Asp Glu Asn Ile Gln Arg Phe Ser Ile Ala Ile Leu
 145 150 155 160
 Gly His Tyr Asn Arg Gly Asn Leu Ser Thr Glu Lys Phe Val Glu Glu
 165 170 175
 Ile Lys Ser Ile Ala Ser Glu Pro Thr Glu Lys His Phe Phe Asn Val
 180 185 190
 Ser Asp Glu Leu Ala Leu Val Thr Ile Val Lys Ala Leu Gly Glu Arg
 195 200 205
 Ile Phe Ala Leu Glu Ala
 210

<210> 6
 <211> 214
 <212> PRT
 <213> Homo sapien

<400> 6

A073us

Val Ser Pro Thr Phe Gln Val Val Asn Ser Ile Ala Pro Val Gln Glu
1 5 10 15
Cys Ser Thr Gln Leu Asp Ile Val Ile Val Leu Asp Gly Ser Asn Ser
20 25 30
Ile Tyr Pro Trp Asp Ser Val Thr Ala Phe Leu Asn Asp Leu Leu Lys
35 40 45
Arg Met Asp Ile Gly Pro Lys Gln Thr Gln Val Gly Ile Val Gln Tyr
50 55 60
Gly Glu Asn Val Thr His Glu Phe Asn Leu Asn Lys Tyr Ser Ser Thr
65 70 75 80
Glu Glu Val Leu Val Ala Ala Lys Lys Ile Val Gln Arg Gly Arg
85 90 95
Gln Thr Met Thr Ala Leu Gly Thr Asp Thr Ala Arg Lys Glu Ala Phe
100 105 110
Thr Glu Ala Arg Gly Ala Arg Arg Gly Val Lys Lys Val Met Val Ile
115 120 125
Val Thr Asp Gly Glu Ser His Asp Asn His Arg Leu Lys Lys Val Ile
130 135 140
Gln Asp Cys Glu Asp Glu Asn Ile Gln Arg Phe Ser Ile Ala Ile Leu
145 150 155 160
Gly Ser Tyr Asn Arg Gly Asn Leu Ser Thr Glu Lys Phe Val Glu Glu
165 170 175
Ile Lys Ser Ile Ala Ser Glu Pro Thr Glu Lys His Phe Phe Asn Val
180 185 190
Ser Asp Glu Leu Ala Leu Val Thr Ile Val Lys Thr Leu Gly Glu Arg
195 200 205
Ile Phe Ala Leu Glu Ala
210

<210> 7

<211> 6

<212> PRT

<213> Rat

<400> 7

Gly Arg Gln Gly Gly Leu

1 5

<210> 8

<211> 6

<212> PRT

<213> Homo sapien

<400> 8

Val Gln Arg Gly Gly Arg

1 5

<210> 9

<211> 214

<212> PRT

<213> Homo sapien

<400> 9
 Val Ser Pro Thr Phe Gln Val Val Asn Ser Ile Ala Pro Val Gln Glu
 1 5 10 15
 Cys Ser Thr Gln Leu Asp Ile Val Ile Val Leu Asp Gly Ser Asn Ser
 20 25 30
 Ile Tyr Pro Trp Asp Ser Val Thr Ala Phe Leu Asn Asp Leu Leu Lys
 35 40 45
 Arg Met Asp Ile Gly Pro Lys Gln Thr Gln Val Gly Ile Val Gln Tyr
 50 55 60
 Gly Glu Asn Val Thr His Glu Phe Asn Leu Asn Lys Tyr Ser Ser Thr
 65 70 75 80
 Glu Glu Val Leu Val Ala Ala Lys Lys Ile Val Gln Arg Gly Gly Arg
 85 90 95
 Gln Thr Met Thr Ala Leu Gly Thr Asp Thr Ala Arg Lys Glu Ala Phe
 100 105 110
 Thr Glu Ala Arg Gly Ala Arg Arg Gly Val Lys Lys Val Met Val Ile
 115 120 125
 Val Thr Asp Gly Glu Ser His Asp Asn His Arg Leu Lys Lys Val Ile
 130 135 140
 Gln Asp Cys Glu Asp Glu Asn Ile Gln Arg Phe Ser Ile Ala Ile Leu
 145 150 155 160
 Gly Ser Tyr Asn Arg Gly Asn Leu Ser Thr Glu Lys Phe Val Glu Glu
 165 170 175
 Ile Lys Ser Ile Ala Ser Glu Pro Thr Glu Lys His Phe Phe Asn Val
 180 185 190
 Ser Asp Glu Leu Ala Leu Val Thr Ile Val Lys Thr Leu Gly Glu Arg
 195 200 205
 Ile Phe Ala Leu Glu Ala
 210

<210> 10

<211> 7

<212> PRT

<213> homo sapien

<400> 10

Val Gln Arg Gly Gly Arg Gln
 1 5